

Bozhang Dong

List of Publications by Year in descending order

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26
papers

321
citations

933447

10
h-index

1058476

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all docs

26
docs citations

26
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral dispersion of the linewidth enhancement factor and four wave mixing conversion efficiency of an InAs/GaAs multimode quantum dot laser. Applied Physics Letters, 2022, 120, .	3.3	6
2	Multimode Physics in the Mode Locking of Semiconductor Quantum Dot Lasers. Applied Sciences (Switzerland), 2022, 12, 3504.	2.5	6
3	Reflection sensitivity of InAs/GaAs epitaxial quantum dot lasers under direct modulation. Electronics Letters, 2022, 58, 363-365.	1.0	1
4	Effects of Shockley-Read-Hall recombination on the reflection sensitivity of quantum dot lasers directly grown on silicon. , 2021, , .		0
5	Intensity noise and modulation dynamic of epitaxial quantum dot semiconductor lasers on silicon. , 2021, , .		0
6	Dynamic and nonlinear properties of epitaxial quantum-dot lasers on silicon operating under long- and short-cavity feedback conditions for photonic integrated circuits. Physical Review A, 2021, 103, .	2.5	15
7	Dynamics of epitaxial quantum dot laser on silicon subject to chip-scale back-reflection for isolator-free photonics integrated circuits. , 2021, , .		0
8	Uncovering recent progress in nanostructured light-emitters for information and communication technologies. Light: Science and Applications, 2021, 10, 156.	16.6	25
9	Dynamic performance and reflection sensitivity of quantum dot distributed feedback lasers with large optical mismatch. Photonics Research, 2021, 9, 1550.	7.0	11
10	Recent progress in quantum dot distributed feedback lasers with large wavelength detuning for uncooled and isolation-free applications. , 2021, , .		0
11	The above-threshold linewidth enhancement factor of silicon-based quantum dot lasers. , 2021, , .		0
12	Epitaxial quantum dot lasers on silicon with high thermal stability and strong resistance to optical feedback. APL Photonics, 2020, 5, .	5.7	32
13	Dynamic properties of two-state lasing quantum dot laser for external optical feedback resistant applications. , 2020, , .		1
14	Temperature dependent linewidth rebroadening in quantum dot semiconductor lasers. Journal Physics D: Applied Physics, 2020, 53, 235106.	2.8	2
15	1.3- μm passively mode-locked quantum dot lasers epitaxially grown on silicon: gain properties and optical feedback stabilization. JPhys Photonics, 2020, 2, 045006.	4.6	11
16	Quantum dot lasers based photonics integrated circuits. , 2020, , .		3
17	Effect of p-doping on the intensity noise of epitaxial quantum dot lasers on silicon. Optics Letters, 2020, 45, 4887.	3.3	21
18	Physics and applications of quantum dot lasers for silicon photonics. Nanophotonics, 2020, 9, 1271-1286.	6.0	38

#	ARTICLE	IF	CITATIONS
19	Frequency comb dynamics of a 13 μ m hybrid-silicon quantum dot semiconductor laser with optical injection: erratum. Optics Letters, 2020, 45, 856.	3.3	0
20	High-performance mode-locked lasers on silicon. , 2020, , .		1
21	P-doping effect on external optical feedback dynamics in 1.3-microns InAs/GaAs quantum dot laser epitaxially grown on silicon. , 2020, , .		2
22	Influence of the polarization anisotropy on the linewidth enhancement factor and reflection sensitivity of 1.55- μ m InP-based InAs quantum dash lasers. Applied Physics Letters, 2019, 115, .	3.3	11
23	1.3- μ m Reflection Insensitive InAs/GaAs Quantum Dot Lasers Directly Grown on Silicon. IEEE Photonics Technology Letters, 2019, 31, 345-348.	2.5	83
24	Frequency comb dynamics of a 13 μ m hybrid-silicon quantum dot semiconductor laser with optical injection. Optics Letters, 2019, 44, 5755.	3.3	18
25	Dynamic and nonlinear properties of epitaxial quantum dot lasers on silicon for isolator-free integration. Photonics Research, 2019, 7, 1222.	7.0	27
26	Four-wave mixing in 1.3 μ m epitaxial quantum dot lasers directly grown on silicon. Photonics Research, 0, , .	7.0	7